

Part 573 Safety Recall Report

17V-061

Manufacturer Name : General Motors LLC

Submission Date : OCT 18, 2017

NHTSA Recall No. : 17V-061

Manufacturer Recall No. : 17036



Manufacturer Information :

Manufacturer Name : General Motors LLC

Address : 30001 VAN DYKE
MAIL CODE 480-210-2V WARREN MI
48090

Company phone : 5961733

Population :

Number of potentially involved : 91,007

Estimated percentage with defect : 2 %

Vehicle Information :

Vehicle 1 : 2006-2010 Pontiac Solstice

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Certain 2006-2010 Pontiac Solstice vehicles.

Production Dates : MAR 16, 2005 - MAY 28, 2009

VIN Range 1 : Begin : NR **End :** NR

Not sequential

Vehicle 2 : 2007-2010 Saturn SKY

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Certain 2007-2010 Saturn SKY vehicles

Production Dates : DEC 06, 2005 - MAY 26, 2009

VIN Range 1 : Begin : NR **End :** NR

Not sequential

Description of Defect :

Description of the Defect : General Motors has decided that a defect which relates to motor vehicle safety exists in certain 2006–2010 model year Pontiac Solstice and 2007—2010 Saturn SKY vehicles. To satisfy FMVSS 208 airbag suppression requirements, these vehicles are equipped with a passenger airbag suppression system (PPS) that is designed to determine whether the passenger seat is occupied by a child and whether the front passenger airbag should be suppressed during a crash. The PPS system uses a flexible sensor mat inside the passenger seat. Occupant pressure on the seat in the same location can, over time, bend and damage the sensor's printed conductor. In severe cases, this damage can cause an open circuit in the sensor. While the sensor circuit is open, the PPS module will indicate to the vehicle's sensing and diagnostic module (SDM) that a fault exists in the PPS system, and the SDM will—by default—suppress the front passenger airbag during a crash.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If an active fault exists in the PPS system and a crash occurs, the SDM will not deploy the front passenger airbag. If an adult is occupying the passenger seat, the suppression of the front passenger airbag could increase the risk of injury to the passenger.

Description of the Cause : Occupant pressure on the seat in the same location can, over time, bend and damage the sensor's printed conductor. In severe cases, this damage can cause an open circuit in the sensor.

Identification of Any Warning that can Occur : If an active fault exists in the PPS system, the driver will receive the following warnings: (i) the passenger airbag telltale will indicate that the airbag is off; (ii) the driver information center will display a "Service Airbag" message and the audio system will play an audible warning chime; and (iii) the airbag malfunction-indicator lamp will illuminate.

Supplier Identification :**Component Manufacturer**

Name : IEE Sensing Inc.

Address : 1121 Centre Road
Auburn Hills MICHIGAN 48326

Country : United States

Chronology :

On April 28, 2016, NHTSA received a defect petition from a member of the public requesting that NHTSA investigate the performance of the PPS sensor mat on 2006-2010 model year Pontiac Solstice and 2007-2010

model year Saturn SKY vehicles. On May 16, 2016, NHTSA opened DP16-001 to evaluate the allegations in the defect petition. On May 18, 2016, NHTSA mailed GM a series of written interrogatories and document requests relating to the allegations in the defect petition. GM responded to NHTSA's written inquiry on June 27, 2016. On July 11, 2016, NHTSA requested additional warranty analysis from GM relating to the defect petition. GM provided the requested information on July 20, 2016. After submitting this material, GM had additional discussions with respect to this matter with NHTSA and, on December 15, 2016, GM opened a formal product investigation on this issue.

GM further reviewed the preliminary results of its investigation with NHTSA during a meeting on December 19, 2016, and had a follow-up meeting with NHTSA on January 11, 2017. On January 19, 2017, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : Dealers will inspect the PPS sensor mat for damage. If the mat is undamaged and functioning correctly, dealers will add a reinforcement strip to the sensor mat. If the mat is damaged, dealers will install a new PPS mat with the reinforcement strip.

How Remedy Component Differs from Recalled Component : Replacement PPS sensor mats have a reinforcement strip added.

Recalled Component Name: PPS
Recalled Component Description: Passenger Presence System
Recalled Component Part Number: 25828680
Recalled Component Country of Origin: Luxembourg

Identify How/When Recall Condition was Corrected in Production : NA

Recall Schedule :

Description of Recall Schedule : General Motors will provide dealer bulletin and owner letter notification dates when available.

Planned Dealer Notification Date : JAN 26, 2017 - JAN 26, 2017

Planned Owner Notification Date : MAR 17, 2017 - MAR 20, 2017

* NR - Not Reported